

further require "means for attenuating noise in a plurality of frequencies by changing the frequency response of said Helmholtz resonator" (emphasis supplied). This structure corresponds to valve 52 in Figures 2 and 3, valve 152 in Figures 4-6 and valves 252 and 262 in Figures 7 and 8.

In reading the reference against the claims, the Examiner has specifically read volume 9 as the closed chamber and pipe 12 as the restricted connection. There is a single fluid path between intake pipe 5 and chamber 9 with valves 13, 14 and 15 being therebetween. Since valves 13, 14 and 15 are opened and closed during normal operation with valve 15 being the first closed and last opened, volume 9 cannot be "continuously operatively connected to said inlet line via a restricted connection". Further, valve 15 can only connect or disconnect volume 9 with inlet line 5 which equates to the resonator being on or off, so it does not have a changed frequency response.

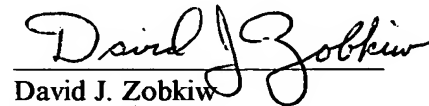
Reconsideration of the rejection of claims 1, 3, 5, 7, 9 and 11 is respectfully requested. As noted above, the Nakachi reference does not continuously connect chamber 9 to line 5 and the connection is only open or closed.

For the reasons set forth above, it is believed that claims 1-12 are now in condition for allowance and such action is respectfully requested.

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A copy of claim 9 showing the proposed amendments is enclosed herewith as an attachment.

Respectfully submitted,
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Attachment

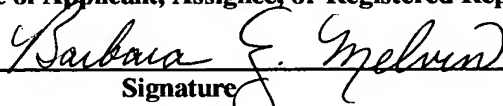
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means for attenuating noise in a plurality of frequencies by changing the frequency response of said Helmholtz resonator responsive to changes in speed of said engine.

5. (Once Amended) A refrigeration system having a multi-speed engine with an inlet line connected to said engine, microprocessor means for controlling the speed of said engine, the improvement comprising:

a closed chamber configured as a single dead end side branch connected to said line and defining a Helmholtz resonator continuously operatively connected to said inlet line via a restricted connection; and

means for attenuating noise in a plurality of frequencies by changing the frequency response of said Helmholtz resonator responsive to changes in speed of said engine.

Add the following claims:

(ONCE AMENDED)

9. (New) A refrigeration system having a multi-speed engine with an inlet line connected to said engine, microprocessor means for controlling the speed of said engine, the improvement comprising:

a closed chamber configured as a single dead end side branch connected to said line and defining a Helmholtz resonator continuously operatively connected to said inlet line via a restricted connection; *and*

means for attenuating noise in a plurality of frequencies by changing the frequency response of said Helmholtz resonator responsive to changes in speed of said engine; *and*

wherein
said means for changing the frequency includes a valve having only an open and a closed position.

10. (New) The Helmholtz resonator of claim 9 wherein said means for changing the frequency response includes means for effectively changing the volume of said closed chamber connected to said inlet line.

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DEC-3 2002

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